US009411063B2

(12) **United States Patent**
L'Her et al.

(10) **Patent No.: US 9,411,063 B2**
(45) **Date of Patent: Aug. 9, 2016**

(54) **METHOD AND DEVICE FOR MANAGING THE ACOUSTIC PERFORMANCES OF A NETWORK OF ACOUSTIC NODES ARRANGED ALONG TOWED ACOUSTIC LINEAR ANTENNAS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 709 days.

(21) Appl. No.: **13/720,413**

(22) Filed: **Dec. 19, 2012**

(65) **Prior Publication Data**

US 2013/0155809 A1 Jun. 20, 2013

(30) **Foreign Application Priority Data**

Dec. 19, 2011 (EP) 11306698

(51) **Int. Cl.**
G01V 1/38 (2006.01)
G01S 11/14 (2006.01)

(52) **U.S. Cl.**
CPC ***G01V 1/3835*** (2013.01); ***G01S 11/14*** (2013.01); *G01V 1/38* (2013.01)

(58) **Field of Classification Search**
CPC G01V 1/3835; G01V 1/38; G01V 1/3817
USPC 367/19
See application file for complete search history.

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(57) **ABSTRACT**

A method and apparatus are provided for managing the acoustic performances of a network of acoustic nodes arranged along towed acoustic linear antennas. The network of acoustic nodes is adapted to determine inter-node distances allowing to locate the acoustic linear antennas. The method includes: obtaining a determined layout of the network of acoustic nodes; obtaining at least one marine environment property relating to an area of performance of a survey with the network of acoustic nodes; and quantifying the acoustic performances of the network of acoustic nodes, using a sound propagation model, the at least one marine environment property and the determined layout.

12 Claims, 7 Drawing Sheets